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(71) Applicants: Achilles Corporation
 Kenwood Corporation
 Chuo Kaseihin K.K.
 (72) Inventors: Akira Nakamura
 Masahiko Fuyumuro
 Hiroshi Ohira
 Daisuke Mizushima

(54) Rubber Contact Switch

(57) [Abstract]

[Purpose] To provide a rubber contact switch with which favorable operation feeling with strong click feeling can be obtained in spite of usage of raw material of a thermoplastic elastomer resin, and provide a rubber contact switch having a high heat-resistant restoration [property] by which a movable contact part can be securely restored to an initial condition, together with a pushbutton part, even under a high-temperature operation condition.

[Constitution] The rubber contact switch 5 of the present invention is characterized in that [it comprises] a thick pushbutton part 3 protruded from a thick base part 1 through a thin dome part 2 and a movable contact part 4 on the back surface side thereof, which are integrally formed by means of the injection molding of a thermoplastic elastomer resin composite.

The thickness of the aforementioned dome part 2 is set to be within a range of 0.10-0.30 mm, a standing angle is set to be within a range of 35-60 degrees, a click ratio is set to be within 20-80%, and in particular heat treatment at 80-120°C is applied for 5-120 min.

